

7. (Once Amended) A method comprising:
- (a) diagnosing in a subject one or more HIV strain that is resistant to one or more chemotherapeutic agent; and
 - (b) administering to the subject an effective viral reducing amount of a compound of the formula:

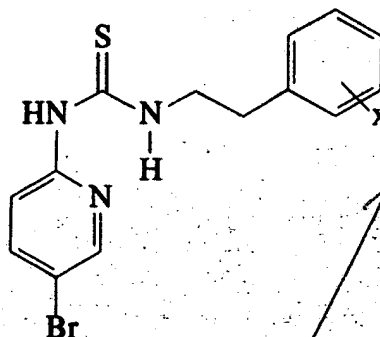
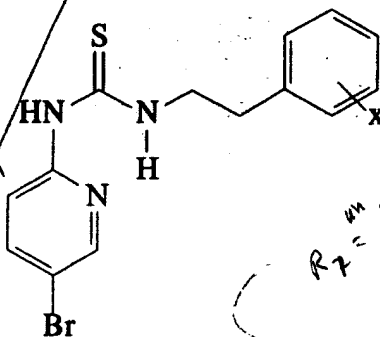


Table A2
See claim 27

wherein x is: 2,5-OMe or o-F.

9. (Once Amended) A method comprising:
- (a) identifying in a subject a mutant form of HIV reverse transcriptase, the mutant form of HIV reverse transcriptase comprising an amino acid substitution at position 106 or 183; and
 - (b) administering to the subject an effective mutant form of HIV reverse transcriptase reducing amount of a compound of the formula:

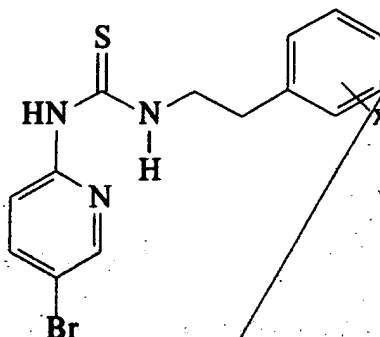


wherein x is: 2,5-OMe or o-F.

substituted
R7 = saturated 6 carbon
8 carbon molecule
R2 = C2
R6-R9 = H
R5 = R1

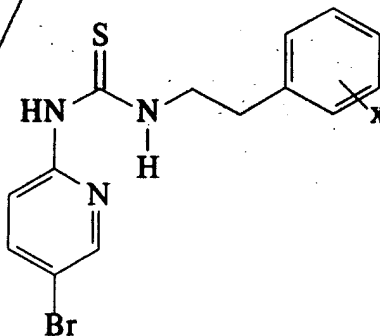
(mixture
2A)

10. (Once Amended) A method comprising:
- (a) identifying in a subject a mutant strain of HIV having a mutated HIV reverse transcriptase comprising one or more of the following amino acid substitutions: L100I, K103N, V106A, E138K, Y181C, or Y188H; and
 - (b) administering to the subject an effective mutated HIV reverse transcriptase reducing amount of a compound of the formula:



wherein x is: 2,5-OMe or *o*-F.

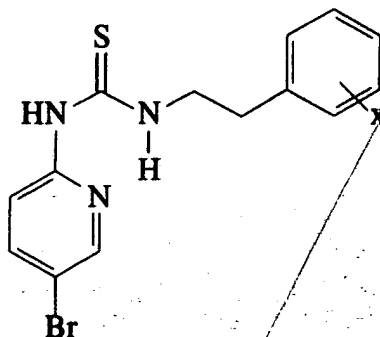
11. (Once Amended) A method comprising:
- (a) identifying in a subject one or more non-nucleoside inhibitor-resistant strain of HIV; and
 - (b) administering to the subject an effective non-nucleoside inhibitor-resistant strain of HIV reducing amount of a compound of the formula:



wherein x is: 2,5-OMe or *o*-F.

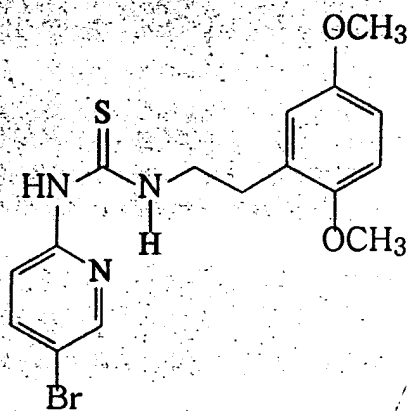
12. (Once Amended) A method comprising:

- (a) identifying in a subject a mutant HIV strain RT-MDR, A17, A17 variant, or a combination thereof; and
- (b) administering to the subject an effective mutant HIV strain RT-MDR, A17, A17 variant, or a combination thereof reducing amount of a compound of the formula:

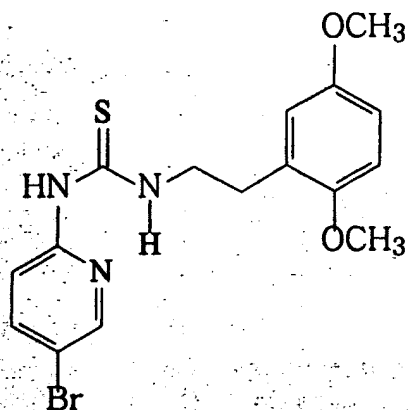


wherein x is: 2,5-OMe or *o*-F.

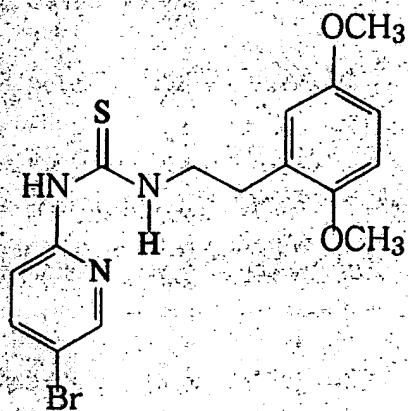
13. (Once Amended) The method of claim 7, wherein said compound is



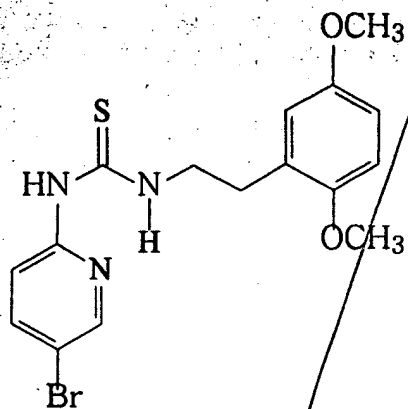
14. (Once Amended) The method of claim 9, wherein said compound is



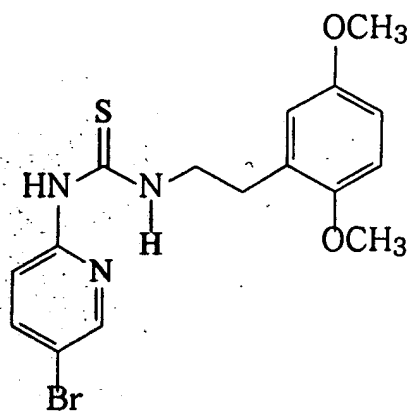
15. (Once Amended) The method of claim 10, wherein said compound is



16. (Once Amended) The method of claim 11, wherein said compound is

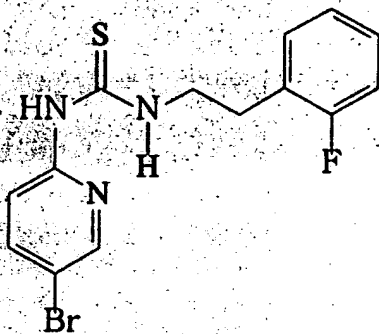


17. (Once Amended) The method of claim 12, wherein said compound is

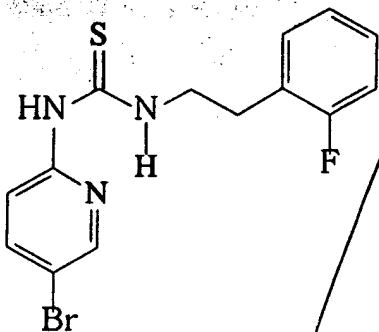


Please add new claims 18-22 as follows:

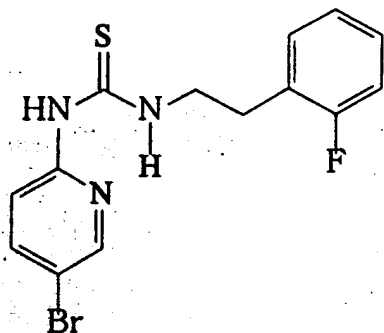
18. (New) The method of claim 7, wherein said compound is



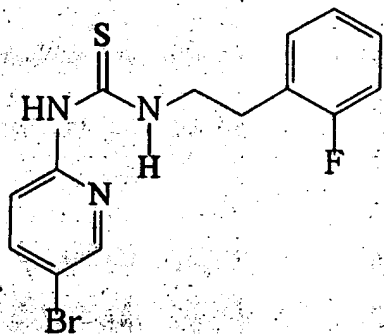
19. (New) The method of claim 9, wherein said compound is



20. (New) The method of claim 10, wherein said compound is



21. (New) The method of claim 11, wherein said compound is



22. (New) The method of claim 12, wherein said compound is

